

BGE Chemical Reactions Homework 2



1. a. What is meant by a catalyst?

(1)

2. a. Give **TWO** signs of a chemical reaction.

(2)

b. Put the following chemical reactions in order, **fastest to slowest**.

iron rusting

fireworks

bread baking

coal forming

Reaction



(1)

3. A pupil experimental report is shown.

When it went in the chlorine gas the copper shrivelled up.

Then the copper went on fire.

When it stopped burning there was a green solid in the jar.

This is a **chemical reaction**.

A diagram showing a vertical glass jar containing a gas. A strip of copper is held by tongs and is partially submerged in the gas. Labels 'copper' and 'chlorine' point to the strip and the gas respectively.

Give **TWO** signs that a chemical reaction has taken place.

(2)

4. Underline the correct answers.

a. When a chemical reaction takes place, the following always happens
a new substance is formed or the reaction is heated

b. The following burns faster
a lump of coal or coal dust

c. A chemical reaction can be speeded up by
heating the chemicals or cooling the chemicals

d. A chemical reaction takes place when
plastic melts or petrol burns

(4)